EV338347950US

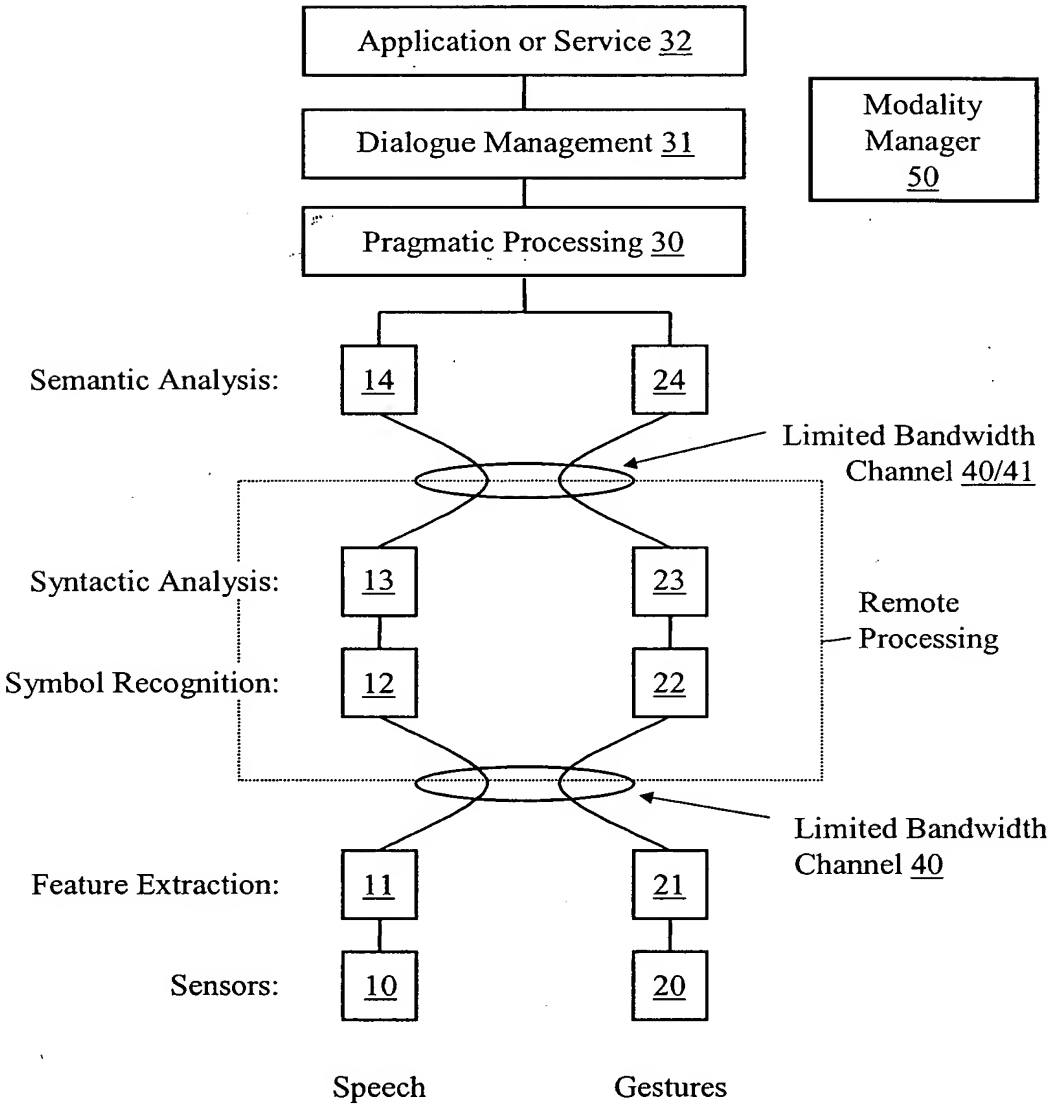

Figure 1

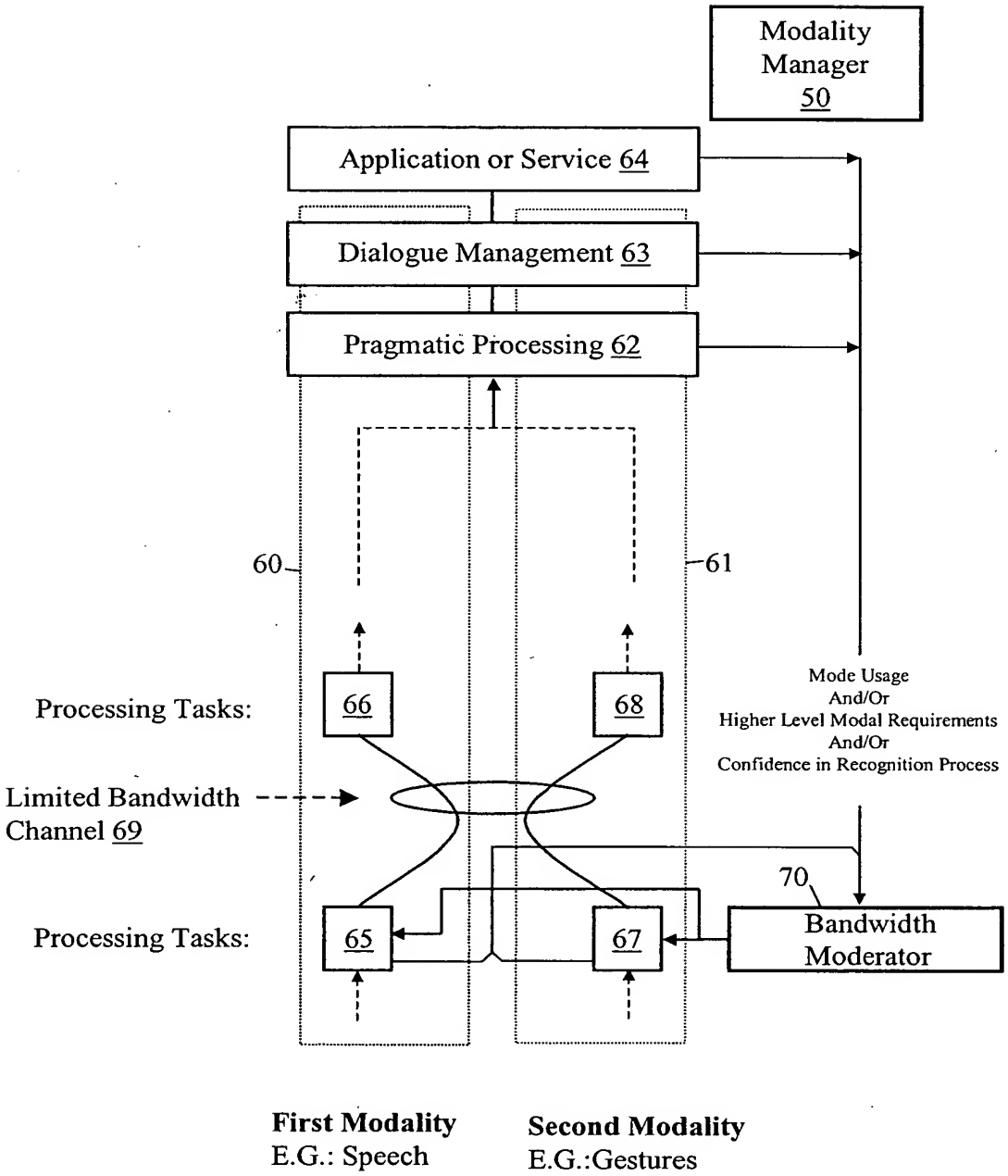
Modality Manager 50
Application or Service 64
Dialogue Management 63
Pragmatic Processing 62
60
61
Processing Tasks:
66
68
Mode Usage
And/Or
Higher Level Modal Requirements
And/Or
Confidence in Recognition Process
Limited Bandwidth Channel 69
70
Processing Tasks:
65
67
Bandwidth Moderator
First Modality
E.G.: Speech
Second Modality
E.G.:Gestures

Figure 2

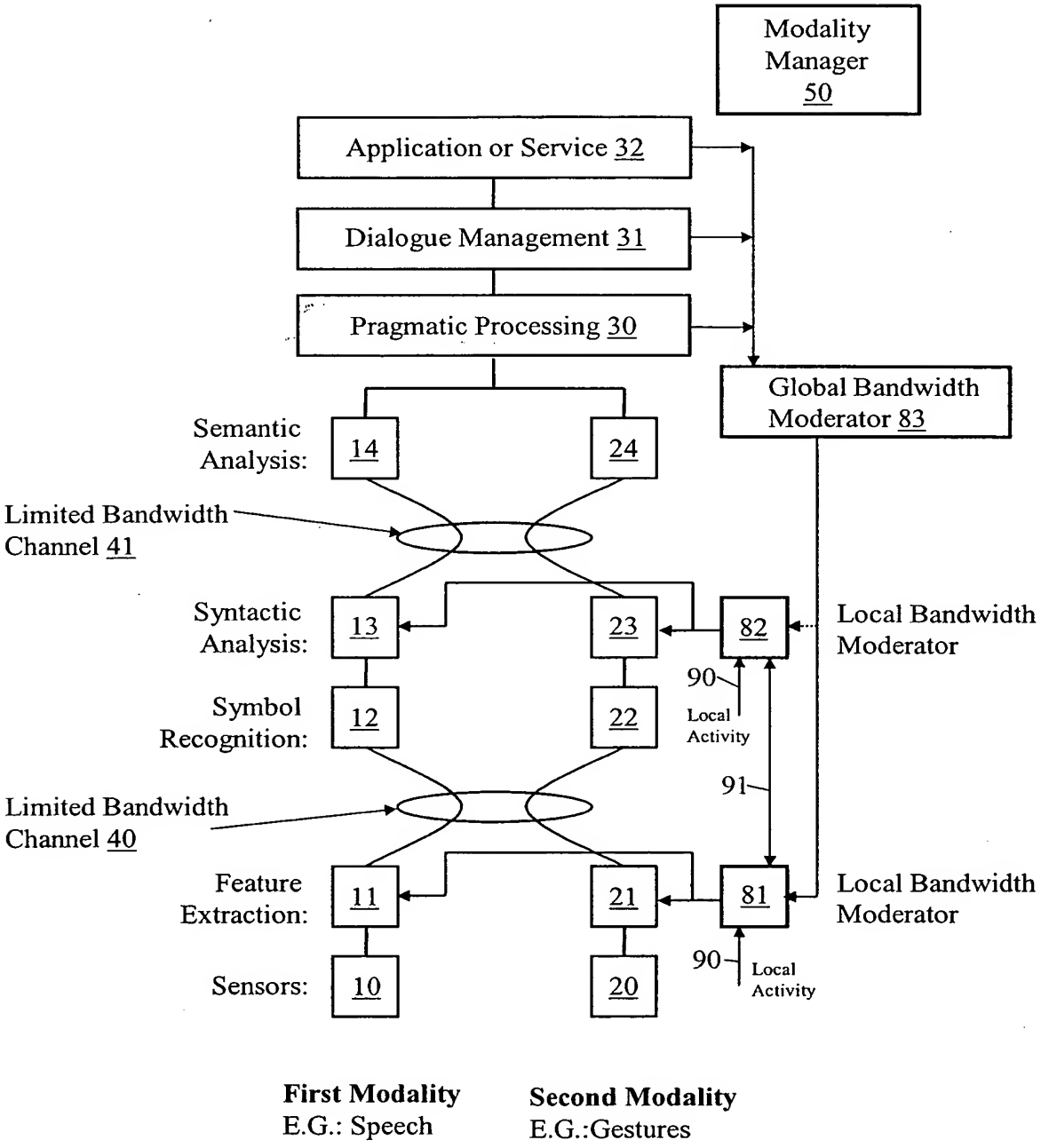
Modality Manager 50
Application or Service 32
Dialogue Management 31
Pragmatic Processing 30
Global Bandwidth Moderator 83
Semantic Analysis:
14
24
Limited Bandwidth Channel 41
Syntactic Analysis:
13
23
82
Local Bandwidth Moderator
90
Local Activity
Symbol Recognition:
12
22
91
Limited Bandwidth Channel 40
Feature Extraction:
11
21
81
Local Bandwidth Moderator
90
Local Activity
Sensors:
10
20
First Modality
E.G.: Speech
Second Modality
E.G.:Gestures

Figure 3

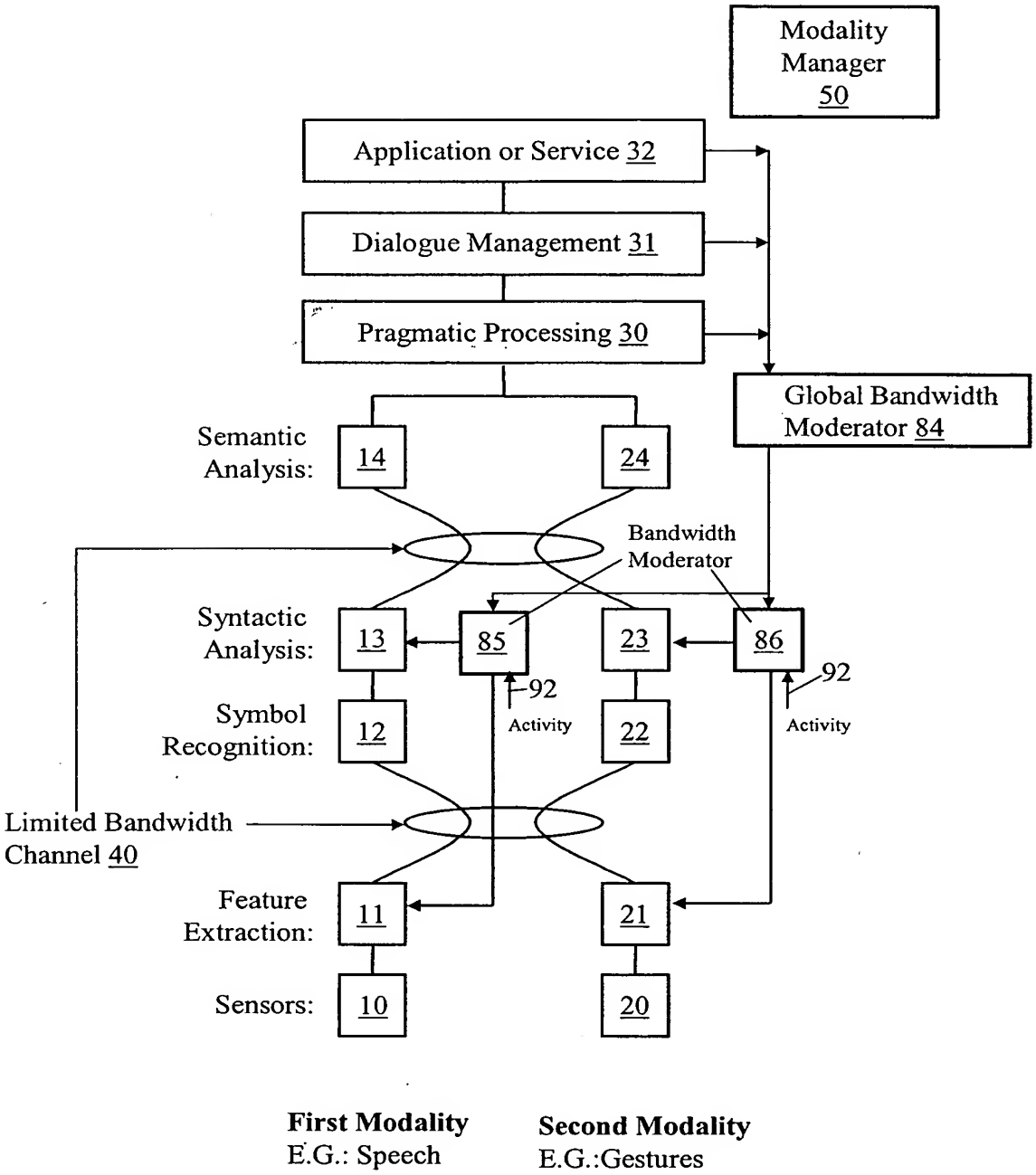
Modality Manager 50
Application or Service 32
Dialogue Management 31
Pragmatic Processing 30
Global Bandwidth Moderator 84
Semantic Analysis:
14
24
Bandwidth Moderator
Syntactic Analysis:
13
85
23
86
92
Activity
92
Activity
Symbol Recognition:
12
22
Limited Bandwidth Channel 40
Feature Extraction:
11
21
Sensors:
10
20
First Modality
E.G.: Speech
Second Modality
E.G.:Gestures

Figure 4